

IN THE CLAIMS

1. (Withdrawn) A ventilated seat, comprising:
an insert comprising a seat portion, and comprising:
a flow control layer with a first and a second port,
a spacer comprising an inlay and a main portion;
a first fluid barrier;
wherein the inlay is substantially isolated from the main portion by a fluid-tight boundary.
2. (Withdrawn) The seat of claim 1, wherein the first and second ports are located in an extension of the insert
3. (Withdrawn) The seat of claim 2, wherein the flow control layer comprises a fluid barrier or at least one flow hole located in the seat portion.
4. (Withdrawn) The seat of claim 3, wherein the first port is aligned with the inlay and the second port is aligned with the main portion of the spacer.
5. (Withdrawn) The seat of claim 4, wherein the fluid-tight boundary comprises a port in an extension of the insert and a plurality of flow holes in the seat portion of the insert.
6. (Withdrawn) The seat of claim 5, wherein the spacer comprises a reticulated foam, a strand material, a grooved material or a helical material.
7. (Withdrawn) The seat of claim 1, wherein the flow control layer is replaced with a second fluid barrier comprising at least two ports.
8. (Withdrawn) The seat of claim 1, further comprising a fan.
9. (Withdrawn) The seat of claim 1, further comprising a fluid conditioning device.

10. (Withdrawn) The seat of claim 9, wherein the fluid conditioning device is a thermoelectric device.
11. (Withdrawn) The seat of claim 9, further comprising at least one of an additional spacer, a seat cover, at least one attachment component, an adhesive layer, at least one sensor, at least one control unit or combinations thereof.
12. (Withdrawn) The seat of claim 11, wherein the insert is attached to a seat cushion.
13. (Withdrawn) The seat of claim 12, wherein the insert is attached to the seat cover.
14. (Withdrawn) The seat of claim 11, wherein the at least one sensor comprises a temperature sensor.
15. (Withdrawn) The seat of claim 1, further comprising a fan and a TED, wherein the fan and the TED are connected to the insert at the extension of the insert.
16. (Withdrawn) The seat of claim 1, wherein the insert comprises an edge sealed bag.

Claims 17 to 31: Canceled

32. (Currently Amended) A ventilated seat, comprising:
an insert comprising a seat portion and comprising:
a flow control layer ~~comprising a port~~;
a spacer; ~~and~~
a fluid barrier; and
a port in the flow control layer or the fluid barrier;
at least one conduit with at least one flow hole, wherein the conduit extends across at least a portion of the insert ~~located adjacent to the seat portion of the insert.~~
33. (Original) The seat of claim 32, wherein the at least one conduit is located within a sealed edged of the insert.

34. (Currently Amended) The seat of claim 32, wherein the at least one conduit is attached to the insert along at least a portion of its length.
35. (Original) The seat of claim 32, wherein the at least one conduit is located underneath the flow control layer relative to the occupant.
36. (Original) The seat of claim 32, wherein the at least one conduit is located above the flow control layer relative to the occupant.
37. (Original) The seat of claim 32, wherein the flow control layer comprises a fluid barrier or at least one flow hole located in the seat portion.
38. (Original) The seat of claim 32, wherein the port is located in an extension of the insert.
39. (Currently Amended) The seat of claim 32, further comprising a fan in fluid communication with the spacer ~~by way of the port of the flow control layer,~~ wherein the fan is adapted to both draw ambient air through the spacer and draw temperature conditioned air from a fluid conditioning device also in fluid communication with the at least one conduit.
40. (Currently Amended) The seat of claim 39, wherein the ~~further comprising a~~ fluid conditioning device is ~~is~~ in fluid communication with the at least one conduit.
41. (Original) The seat of claim 40, wherein the fluid conditioning device is a thermoelectric device (TED).
42. (Original) The seat of claim 32, further comprising at least one of an additional spacer, a seat cover, at least one attachment component, an adhesive layer, at least one sensor, at least one control unit or combinations thereof.
43. (Original) The seat of claim 42, wherein the insert is attached to a seat cushion.

- 44. (Original) The seat of claim 43, wherein the insert is attached to the seat cover.
- 45. (Original) The seat of claim 32, further comprising at least two fans and a TED.
- 46. (Original) The seat of claim 32, further comprising a fan and a TED, wherein the fan and the TED are connected to the insert at the extension of the insert.

Claims 47 to 51: Canceled

- 52. (New) The seat of claim 32 wherein the conduit is located along an edge of the seat portion of the insert.
- 53. (New) The seat of claim 32 wherein the conduit is located along an edge of an extension of the insert.
- 54. (New) The seat of claim 32 wherein the conduit extends into the seat portion of the insert.
- 55. (New) The seat of claim 32 wherein the conduit is held within the insert or formed as part of the insert.
- 56. (New) The seat of claim 32 wherein the conduit is located in the plane of the insert.
- 57. (New) The seat of claim 41 wherein the fan draws ambient air into the spacer and draws temperature conditioned air from the TED.
- 58. (New) The seat of claim 57 further comprising a second fan.
- 59. (New) The seat of claim 32 wherein the spacer comprises a polymeric strand material.
- 60. (New) The seat of claim 32 further comprising a heater layer.

61. (New) A ventilated seat, comprising:
a seat cover;
an insert comprising a seat portion and comprising:
a flow control layer;
a spacer;
a fluid barrier; and
a port in the flow control layer or the fluid barrier;
at least one conduit with at least one flow hole, wherein the conduit extends across at least a portion of the insert;
a seat cushion;
a thermoelectric device (TED) as a source of temperature conditioned air; and
at least one fan fluidly connected to the TED via the conduit and the spacer wherein the fan is adapted to both draw ambient air through the seat cover and draw temperature conditioned air from the TED.
62. (New) The seat of claim 61 wherein the spacer comprises a polymeric strand material.
63. (New) The seat of claim 61 further comprising a heater layer.
64. (New) The seat of claim 63 wherein the heater layer is part of the insert.
65. (New) The seat of claim 61 wherein the insert is a sealed edge insert.
66. (New) The seat of claim 65 wherein the port is located in an extension of the insert.
67. (New) The seat of claim 61 wherein the insert is located between the seat cover and the seat cushion.
68. (New) The seat of claim 67 further comprising a spacer located between the seat cover and the insert.

69. (New) The seat of claim 61 wherein the insert is located underneath the seat cushion relative to the seat cover.

70. (New) A ventilated seat, comprising:

a seat cover;

an edge sealed insert comprising a seat portion and comprising:

a flow control layer;

a spacer comprising a polymeric strand material;

a fluid barrier; and

a port in the flow control layer or the fluid barrier;

at least one conduit with at least one flow hole, wherein the conduit extends across at least a portion of the insert;

a seat cushion;

a thermoelectric device (TED) as a source of temperature conditioned air; and

at least one fan fluidly connected to the TED via the conduit and the spacer.

71. (New) The seat of claim 71 wherein the insert further comprises a heater layer.